

ESTIMATED CONSTRUCTION COST - RAILROAD AVENUE EXTENSION - OCEAN COUNTY, NEW JERSEY

QUANTITY per CONSTRUCTION PLAN SHEET NUMBER

DESCRIPTION	UNIT	UNIT COST	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	QUANT. TOTAL	ESTIMATED COST
DEMOLISHION	EA	\$ 10,000.00															2	2	\$ 20,000.00
ROADWAY EXCAVATION UNCLASSIFIED	CY	\$ 21.50	2200	1935	2090	1200	1075	1030	1900	1050	760	475	1775	1800			30655	47945	\$ 1,030,817.50
PAVEMENT SAW CUT	LF	\$ 2.00	55						80				80	27				242	\$ 484.00
2 INCH MILLING	SY	\$ 3.50														2060		2060	\$ 7,210.00
REMOVE CONCRETE CURB	LF	\$ 10.00	256															256	\$ 2,560.00
SOIL AGGREGATE BASE COURSE MIX I-5- 6 INCHES THICK	SY	\$ 15.00	3200	3085	3962	2912	2505	2400	2950	2450	800		1530	1870	2130	2020		31814	\$ 477,210.00
BITUMINOUS STABILIZED BASE COURSE MIX I-2 -6 INCHES THICK	SY	\$ 50.00	3145	3085	3962	2890	2505	2400	2950	2450	800		1530	1870	2130	2020		31737	\$ 1,586,850.00
BITUMINOUS CONCRETE SURFACE COURSE, MIX I-5 -2 INCHES THICK	SY	\$ 75.00	3200	3085	3962	2912	2505	2400	2950	2450	800	800	1530	1870	2130	4080		34674	\$ 2,600,550.00
ASPHALT PRICE ADJUSTMENT	LS	\$ 1.00																185190.6	\$ 185,190.60
DENSE GRADED AGGREGATE SURFACE COURSE- 6 INCHES THICK	SY	\$ 9.75	193														328	521	\$ 5,079.75
DEPRESSED CURB	LF	\$ 30.00		24			20											44	\$ 1,320.00
8 INCH X 18 INCH CONCRETE VERTICAL CURB	LF	\$ 36.00	1784	1940	2060	1940	1453	1800	1830	1700	1700		975	700	1600	660		20142	\$ 725,112.00
9 INCH X 18 INCH CONCRETE VERTICAL CURB	LF	\$ 38.00	171															171	\$ 6,498.00
POROUS PAVEMENT WALKWAY, 6 FOOT WIDE	SY	\$ 90.00	477	1290	600	635	475											3477	\$ 312,930.00
POUROUS PAVEMENT BIKE PATH, 8 FOOT WIDE	SY	\$ 90.00	672	157	845	835	628	1400	1300	1300	600		800	250				8787	\$ 790,830.00
RETAINING WALL STA 106+65-108+15	SF	\$ 125.00													600			600	\$ 75,000.00
10 FT X 3FT BOX CULVERT	SF	\$ 300.00														400		400	\$ 120,000.00
12FT X 3FT THREE SIDED BOX STRUCTURE	SF	\$ 800.00														480		480	\$ 384,000.00
GABIONS	CY	\$ 250.00														31	27	58	\$ 14,500.00
VORRTECHNICS MODEL 2000	EA	\$ 110,000.00					1							1	1			3	\$ 330,000.00
RESET CASTING	EA	\$ 500.00							1									1	\$ 500.00
REMOVE TYPE B CASTING	EA	\$ 200.00	1															1	\$ 200.00
CONVERT TO TYPE E CASTING	EA	\$ 2,300.00	1															1	\$ 2,300.00
CORED MANHOLE CONNECTION	EA	\$ 2,500.00	3															3	\$ 7,500.00
STORM MANHOLE 2 FOOT DIA	EA	\$ 2,500.00													1			1	\$ 2,500.00
STORM MANHOLE 3 FOOT DIA	EA	\$ 2,800.00												1			1	2	\$ 5,600.00
STORM MANHOLE 4 FOOT DIA	EA	\$ 3,000.00	1					1	4		1			1	1			11	\$ 30,000.00
STORM MANHOLE 5 FOOT DIA	EA	\$ 4,100.00								1							1	2	\$ 8,200.00
MODIFIED INLET TYPE B/ STORM MANHOLE	EA	\$ 3,000.00	1	1														2	\$ 6,000.00
BY-PASS MANHOLE 4 FOOT DIA	EA	\$ 3,000.00					1							1	1			3	\$ 9,000.00
INLET TYPE B	EA	\$ 3,000.00	3	1	3	3	4	2	3				2	7	7			35	\$ 105,000.00
INLET TYPE E	EA	\$ 6,000.00		2	1	2	2	2	3	7	1			1				21	\$ 126,000.00
YARD INLET	EA	\$ 2,500.00												2				2	\$ 5,000.00
18 INCH INLINE DRAIN W/STD HS-20 GRATE	EA	\$ 1,500.00											1	1				2	\$ 3,000.00
OCS A-1	EA	\$ 7,000.00					1			3								4	\$ 28,000.00
OCS B	EA	\$ 7,000.00							1									1	\$ 7,000.00
OCS C	EA	\$ 7,000.00								1								1	\$ 7,000.00
OCS D	EA	\$ 7,000.00											1					1	\$ 7,000.00
OCS E	EA	\$ 3,000.00												1				1	\$ 3,000.00
OCS F	EA	\$ 7,000.00												1				1	\$ 7,000.00
OCS G	EA	\$ 7,000.00													1			1	\$ 7,000.00
INLET PROTECTION	EA	\$ 200.00	3	3	4	5	7	4	7	11	1	0	4	13	8	0	0	70	\$ 14,000.00
10 FOOT DIA. JELLYFISH MODEL JF10-16	EA	\$ 100,000.00								1								1	\$ 100,000.00

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12 FOOT DIA. JELLYFISH MODEL JF12-16	EA	\$ 110,000.00								1								1	\$ 110,000.00	
15 INCH FLARED END SECTION	EA	\$ 1,200.00															2	2	\$ 2,400.00	
30 INCH FLARED END SECTION	EA	\$ 2,200.00															1	1	\$ 2,200.00	
42 INCH FLARED END SECTION	EA	\$ 3,500.00															1	1	\$ 3,500.00	
HEADWALL- 14 INCH PIPE	EA	\$ 1,000.00												3				3	\$ 3,000.00	
HEADWALL- 24 INCH PIPE	EA	\$ 1,200.00											1	1	1			3	\$ 3,600.00	
HEADWALL- 30 INCH PIPE	EA	\$ 1,500.00												1				1	\$ 1,500.00	
10 INCH P.V.C.	LF	\$ 60.00								8								8	\$ 480.00	
12 INCH RCP CL IV	LF	\$ 50.00												34				34	\$ 1,700.00	
12 INCH DIP CL52	LF	\$ 120.00	169															169	\$ 20,280.00	
14 INCH DIP CL52	LF	\$ 140.00												146				146	\$ 20,440.00	
15 INCH RCP CL III	LF	\$ 55.00	31	22		301	6	40	41								18	459	\$ 25,245.00	
15 INCH RCP CL IV	LF	\$ 60.00		531														531	\$ 31,860.00	
15 INCH RCP CL V	LF	\$ 70.00			67				590	502			156					1315	\$ 92,050.00	
18 INCH RCP CL III	LF	\$ 59.00	28						17									45	\$ 2,655.00	
18 INCH RCP CL V	LF	\$ 69.00							341	447								788	\$ 54,372.00	
24 INCH RCP CLIII	LF	\$ 71.00								8								8	\$ 568.00	
24 INCH RCP CL V	LF	\$ 81.00												233	210			443	\$ 35,883.00	
30 INCH RCP CL IV	LF	\$ 110.00												98				98	\$ 10,780.00	
42 INCH RCP CL III	LF	\$ 160.00															245	245	\$ 39,200.00	
42 INCH RCP CL V	LF	\$ 180.00													196			196	\$ 35,280.00	
18 INCH H.D.P.E.	LF	\$ 40.00							50	50								100	\$ 4,000.00	
18 INCH H.D.P.E. MANIFOLD AND RISER	LF	\$ 70.00					25	25										50	\$ 3,500.00	
24 INCH H.D.P.E. MANIFOLD AND RISER	LF	\$ 90.00							60	50				16				126	\$ 11,340.00	
24 INCH PERFERRATED H.D.P.E.	LF	\$ 45.00					4	1968	2960	2550								7482	\$ 336,690.00	
24 INCH H.D.P.E.	LF	\$ 45.00								18				8				26	\$ 1,170.00	
30 INCH H.D.P.E.	LF	\$ 55.00				124									3120			3244	\$ 178,420.00	
36 INCH H.D.P.E. N-12	LF	\$ 60.00	290	50											440			780	\$ 46,800.00	
36 INCH H.D.P.E. MANIFOLD AND RISER	LF	\$ 120.00													20			20	\$ 2,400.00	
19 INCHX30 INCH HERCP CL IV	LF	\$ 130.00			700	300												1000	\$ 130,000.00	
19 INCHX30 INCH HERCP CL V	LF	\$ 150.00												42				42	\$ 6,300.00	
22 INCHX34 INCH HERCP CL IV	LF	\$ 90.00			225													225	\$ 20,250.00	
22 INCHX34 INCH HERCP CL III	LF	\$ 80.00				175												175	\$ 14,000.00	
29 INCHX45 INCH HERCP CL V	LF	\$ 200.00													216			216	\$ 43,200.00	
STORM FILTER, 15 CARTRIDGES	EA	\$ 5,000.00	1															1	\$ 5,000.00	
STORM FILTER, 35 CARTRIDGES	EA	\$ 10,000.00	1															1	\$ 10,000.00	
PVC CORE LINER 20 mil	SY	\$ 10.00															5760	5760	\$ 57,600.00	
RIPRAP STONE SLOPE PROTECTION 12 INCH	SY	\$ 60.00												241				241	\$ 14,460.00	
SCORE HOLE	TONS	\$ 140.00											50	140	50			240	\$ 33,600.00	
EROSION CONTROL BLANKET	SY	\$ 60.00				2170												2170	\$ 130,200.00	
RIP-RAP APRON	TONS	\$ 140.00				9											38	47	\$ 6,580.00	
SEDIMENT CONTROL FENCE (C1)	LF	\$ 5.50	785	535	405	1040	380	545	275	640	1235	920	2025	1300	1170	1320		12575	\$ 69,162.50	
SNOW FENCE (C2)	LF	\$ 9.00	1010	1335	1490	715	1580	1255	1520	1080	875	75855	110	180	430	720	1800	89955	\$ 809,595.00	
RELOCATE LIGHT POLE	EA	\$ 500.00	1															1	\$ 500.00	
TOPSOILING, 4 INCH THICK	SY	\$ 1.60	1277	1805	2065	2145	1490	1400	1400	1320	900	600	900	1090	1250	700	9340	27682	\$ 44,291.20	
FERTILIZING AND SEEDING TYPE A-3	SY	\$ 0.50	1277	1805	2065	2145	1490	1400	1400	1320	900	600	900	1090	1250	700	9340	27682	\$ 13,841.00	
STRAW MULCH	SY	\$ 0.40	1277	1805	2065	2145	1490	1400	1400	1320	900	600	900	1090	1250	700	9340	27682	\$ 11,072.80	
ROADWAY COST - SUB TOTAL																			\$	11,667,907.35
ROADWAY COST - CONTINGENCY (20%)																			\$	2,333,581.47
ROADWAY COST - TOTAL, ROUNDED																			\$	14,000,000.00

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DESCRIPTION	UNIT	UNIT COST	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	QUANT. TOTAL	ESTIMATED COST
UTILITY RELOCATION -assume 100 foot relocation at storm drain crossings																			
36 INCH SANITARY FORCE MAIN	LF	\$ 400.00	200	200	200	200	300	200	300	400				100	300	400		2800	\$ 1,120,000.00
SEWER LINE STOP AND TIE INS	EA	\$ 410.00	6	6	6	6	9	6	9	12				3	9	12		84	\$ 34,440.00
20 INCH HIGH PRESSURE GAS MAIN	LF	\$ 438.00	200	200	200	200	300	200	300	400				100	300	400		2800	\$ 1,226,400.00
GAS MAIN TIE-INS	EA	\$ 425.00	6	6	6	6	9	6	9	12				3	9	12		84	\$ 35,700.00
																		UTILITY COST - SUB TOTAL	\$ 2,416,540.00
																		UTILITY COST - CONTINGENCY (20%)	\$ 483,308.00
																		UTILITY COST - TOTAL, ROUNDED	\$ 2,900,000.00
SIGNALS, PAVEMENT MARKINGS AND SIGNING -assume one signal at each end of Project, assume one 48"x48" sign every 200 feet																			
NEW SIGNAL @ LACEY ROAD; AT ROUTE 9	EA	\$ 150,000.00	1															2	\$ 300,000.00
SIGNING	SF	\$ 30.00	64	76	72	76	72	72	72	68	24			48	56	56	40	796	\$ 23,880.00
TEMPORARY PAVEMENT MARKINGS-PAINT OR TAPE	LF	\$ 0.45							800		2000	400	1200			2200		6600	\$ 2,970.00
PERMANENT PAVEMENT MARKINGS-THERMOPLASTIC	LF	\$ 2.75	3200	3800	3600	3800	3600	3600	3600	3400	1200			2400	2800	2800	4700	42500	\$ 116,875.00
																		TRAFFIC COST - SUB TOTAL	\$ 443,725.00
																		TRAFFIC COST - CONTINGENCY (20%)	\$ 88,745.00
																		TRAFFIC COST - TOTAL, ROUNDED	\$ 530,000.00
RIGHT OF WAY -assume Lacey County owns roadway foot print area (per Donna Bahrlle) Easement required 15 foot each side of roadway. Fee Simple ROW required for SWM Area and existing structures.																			
FEE SIMPLE AREA FOR INFILTRATION POND AT STA. 35+00	SF	\$ 8.00															261360	261360	\$ 2,090,880.00
FEE SIMPLE R/W FOR SIGHT DISTANCE	SF	\$ 15.00	6000		1500		1700											9200	\$ 138,000.00
FEE SIMPLE AREA FOR STRUCTURE AT STA. 117+00 W/IMPROVEMENTS	SF	\$ 15.00														19800		19800	\$ 297,000.00
REVERTIBLE/CONSTRUCTION EASEMENT AREA REQUIRED	SF	\$ 3.00	24000	28500	27000	28500	27000	27000	27000	25500	9000			18000	21000	21000	16500	300000	\$ 900,000.00
																		RIGHT OF WAY - SUB TOTAL	\$ 3,425,880.00
																		RIGHT OF WAY COST - CONTINGENCY (20%)	\$ 685,176.00
																		RIGHT OF WAY COST - TOTAL, ROUNDED	\$ 4,110,000.00
PRELIMINARY ITEMS																			
PERFORMANCE AND PAYMENT BOND (0.5%)	LS	\$ 60,558.16																1	\$ 60,558.16
FINAL CLEANUP (0.167%)	LS	\$ 20,226.43																1	\$ 20,226.43
CONSTRUCTION LAYOUT (1%)	LS	\$ 121,116.32																1	\$ 121,116.32
TELEPHONE SERVICE	LS	\$ 5,000.00																1	\$ 5,000.00
FIELD OFFICE TYPE D	LS	\$ 2,200.00																1	\$ 2,200.00
FUEL PRICE ADJUSTMENT	LS	\$ 42,000.00																1	\$ 42,000.00
POLLUTION LIABILITY INSURANCE	LS	\$ 10,000.00																1	\$ 10,000.00
PROGRESS SCHEDULE	LS	\$ 15,000.00																1	\$ 15,000.00
MOBILIZATION (8%)	LS	\$ 968,930.59																1	\$ 968,930.59
CLEARING SITE (2&)	LS	\$ 242,232.65																1	\$ 242,232.65
MAINTENANCE OF TRAFFIC (4%)	LS	\$ 484,465.29																1	\$ 484,465.29
LANDSCAPING (.1%)	LS	\$ 12,111.63																1	\$ 12,111.63
SECURE PERMITS	LS	\$ 80,000.00																1	\$ 80,000.00
																		PRELIMINARY SUB-TOTAL	\$ 2,063,841.07
																		PRELIMINARY COST - CONTINGENCY (20%)	\$ 412,768.21
																		PRELIMINARY COST - TOTAL, ROUNDED	\$ 2,480,000.00

PREPARED BY SABRA, WANG AND ASSOC., INC.

10/7/2010

PROJECT COST - GRAND TOTAL \$ 24,020,000.00